SERVICE MANUAL

VCST-01 Commercial Steamer

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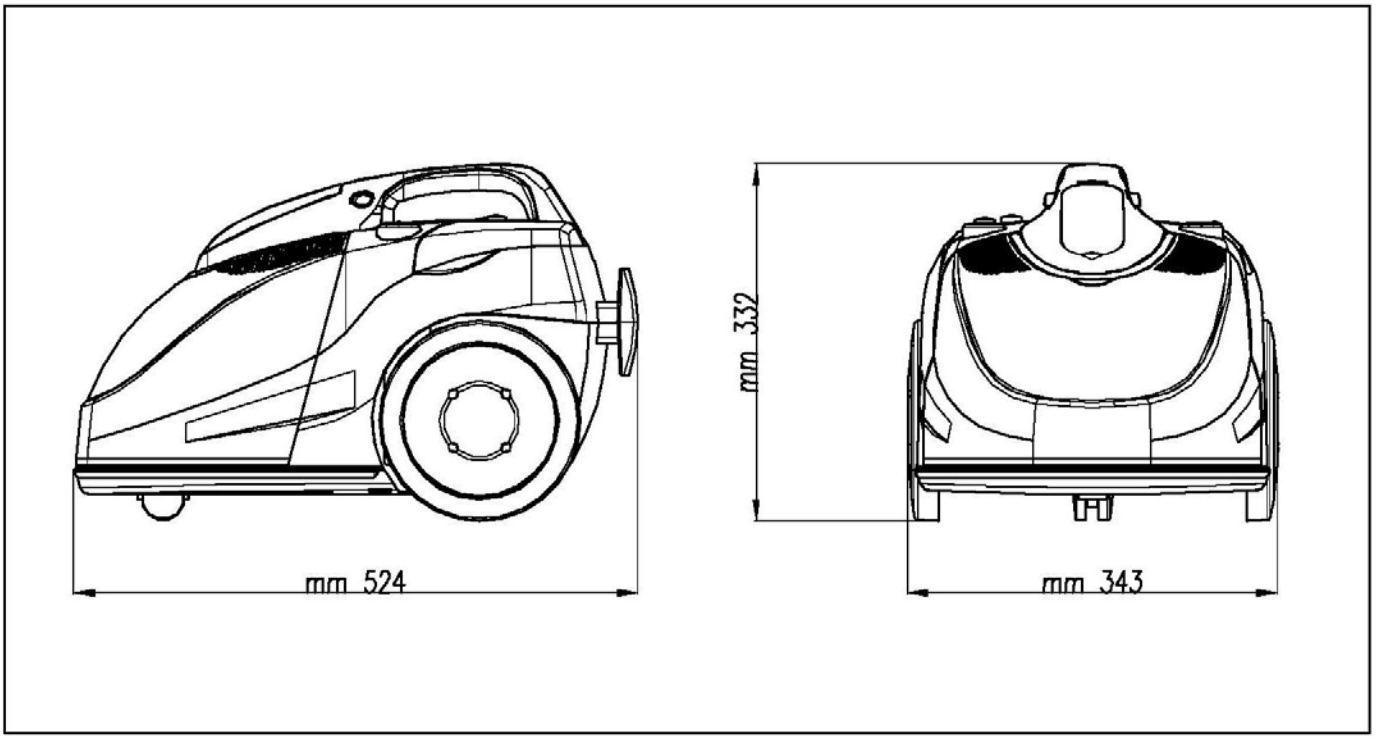
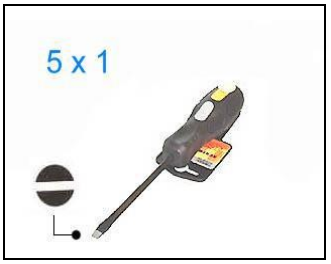
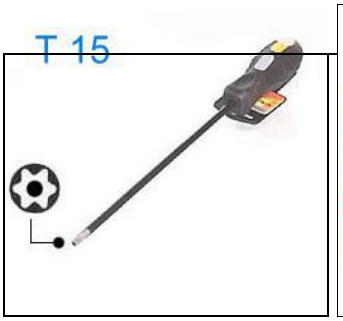
TECHNICALDATA

Boiler Power: 1700 W
Suction Motor Power: 1200 - 1400 W
Iron Power: 850 W
Vapour Pressure: 4.5 bar
Vapour flow: 50 gr/ min
Air flow: 51 l/sec (motor)
Vacuum pressure: 2400 mm H2O (motor)
Time of heating: 1 min 50"
Boiler Volume: 0,8 l Boiler
capacity: 1,2 l Recovery
tank volume: 8 l

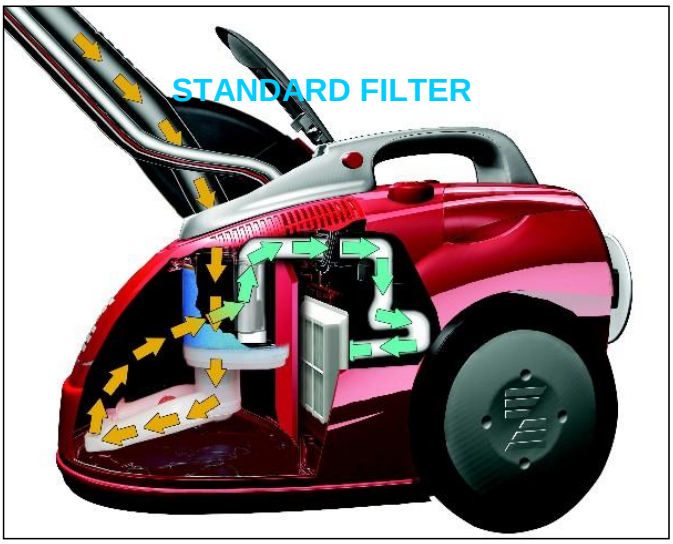


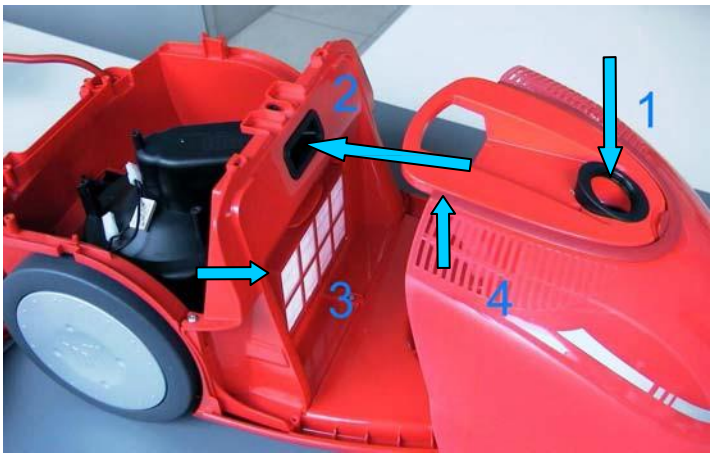
SERVICETOOLS

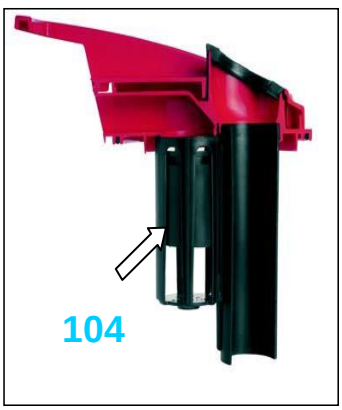




VACUUM SCHEME







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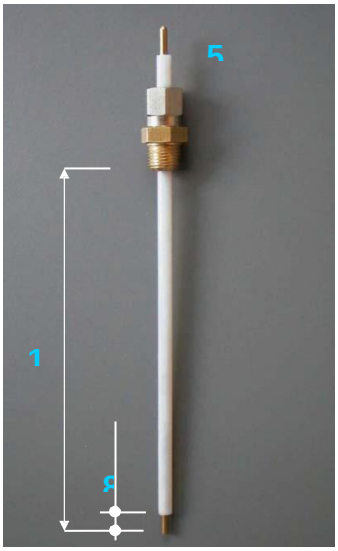

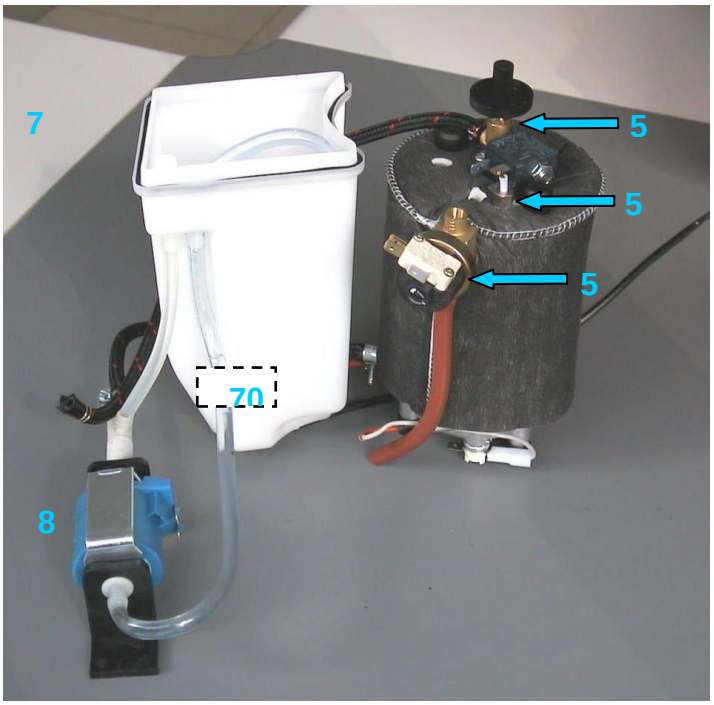

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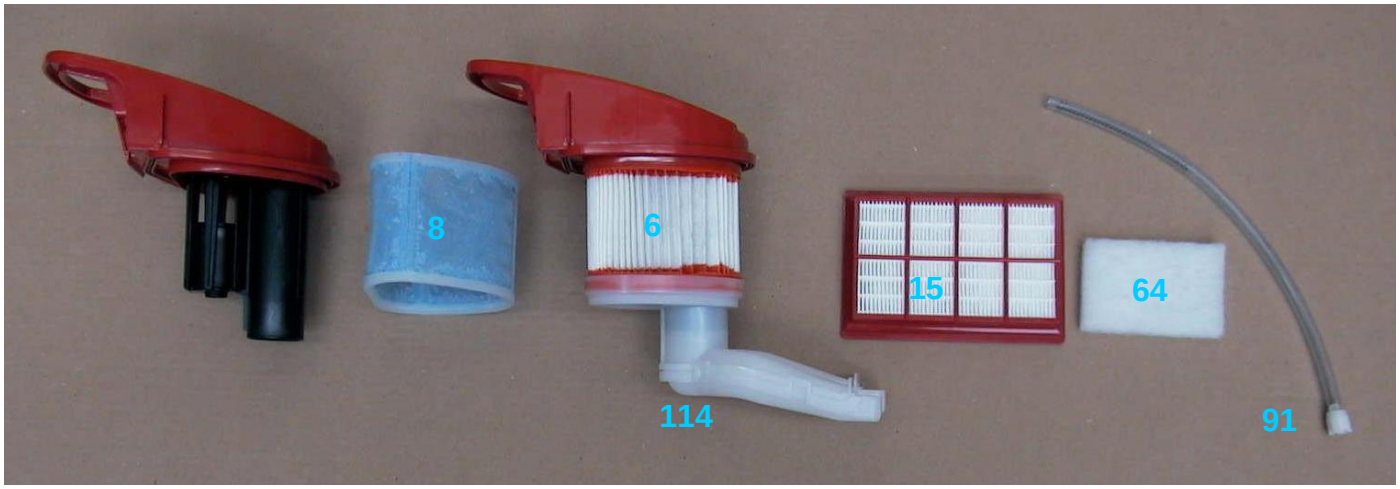
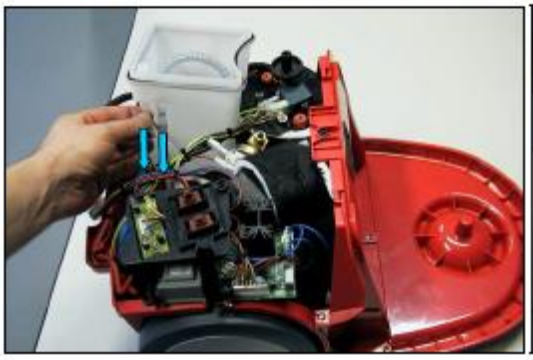
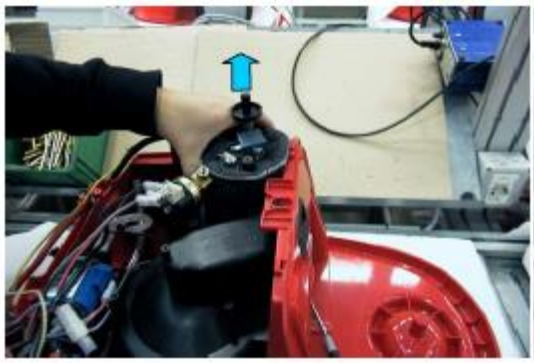


BOILER





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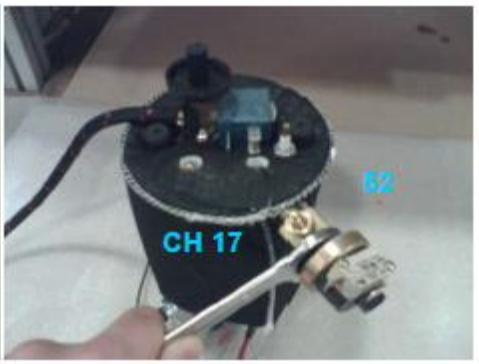
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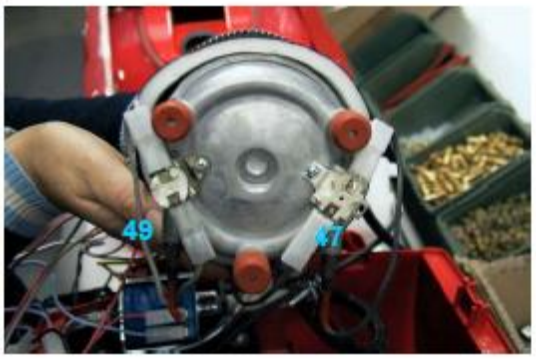
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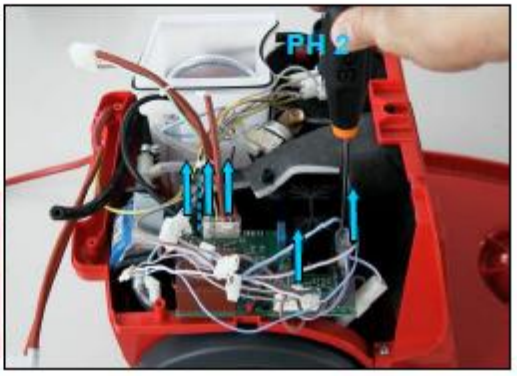
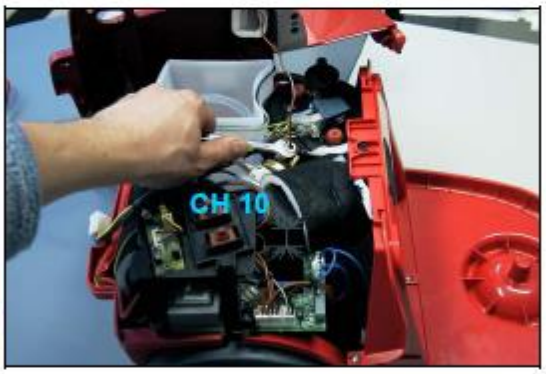
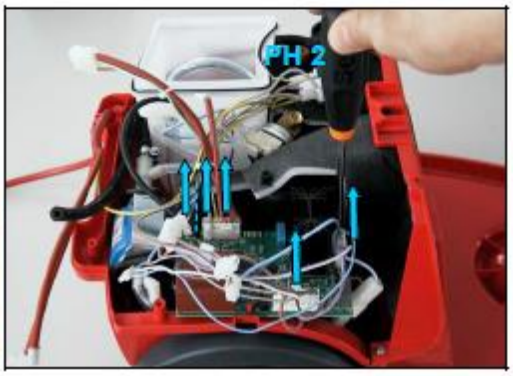
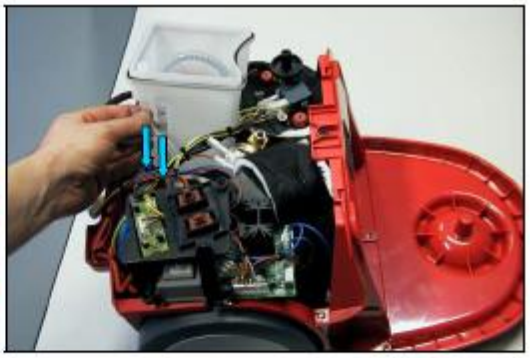


MOTOR 42







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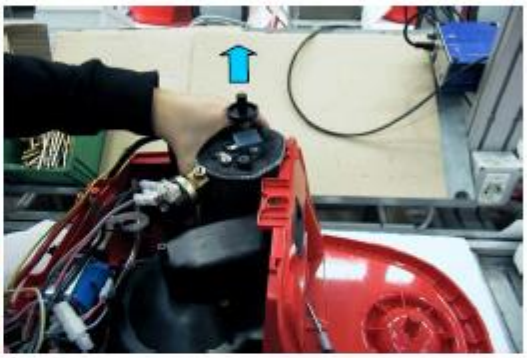

PH 2
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PH 2
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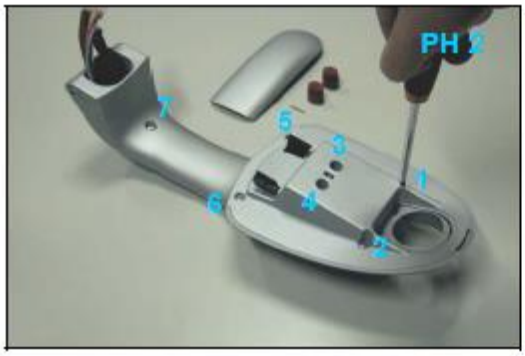
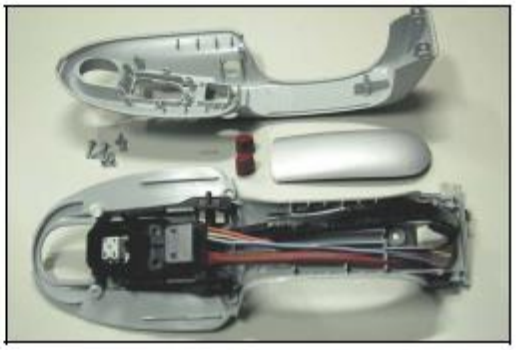


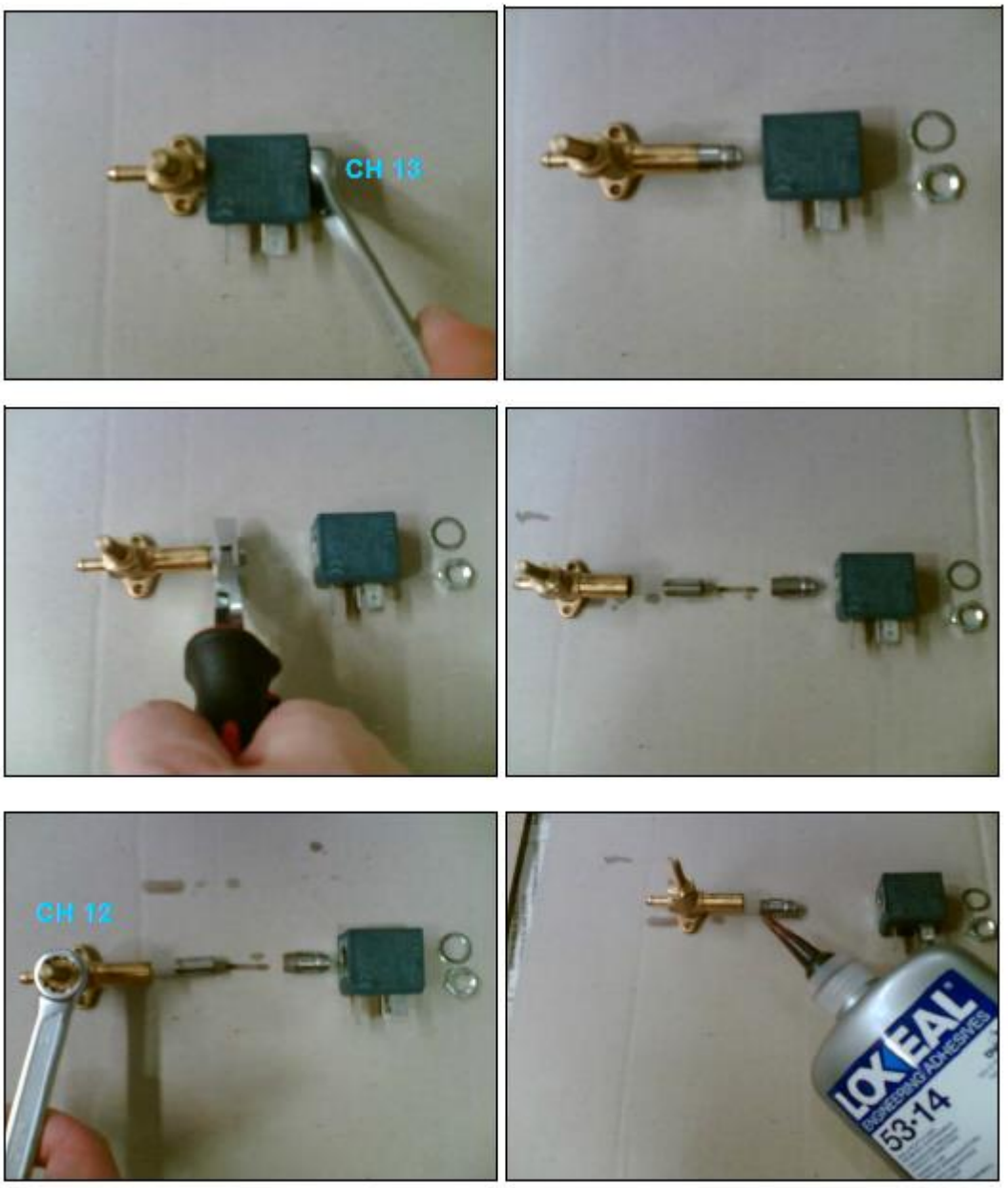


ASSEMBLAGE HANDLE 105

BOILER TANK 72

WATER PUMP 81 & AIRCLEANER 83

ELECTROVALVE 55



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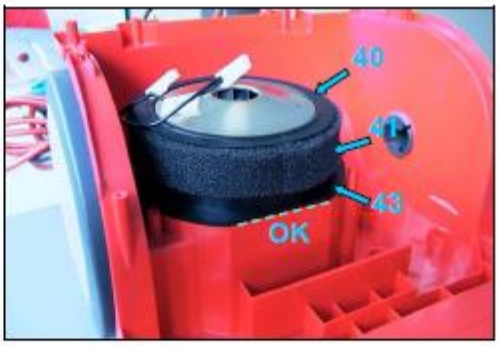
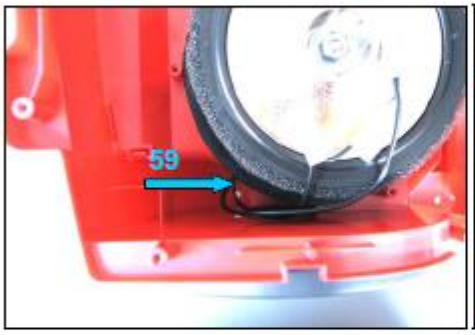
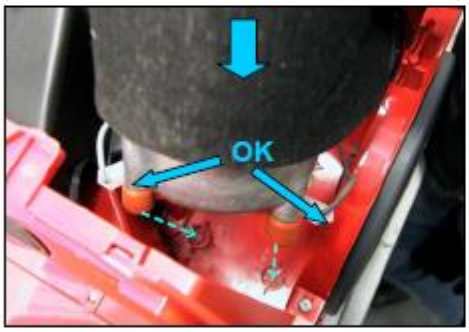
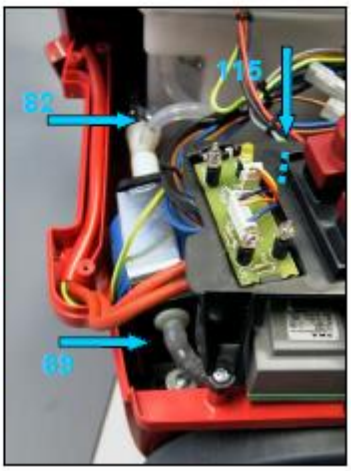
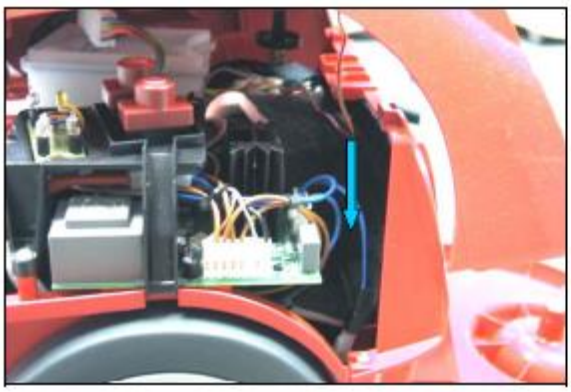




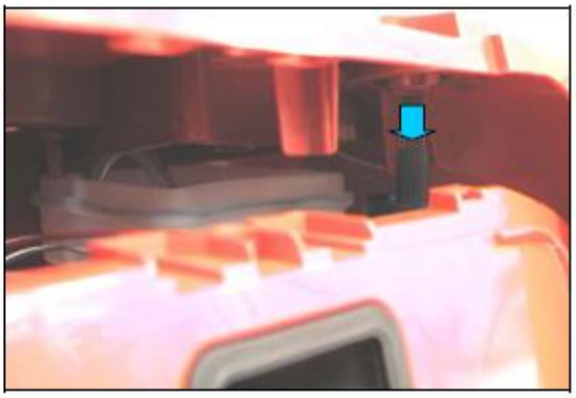






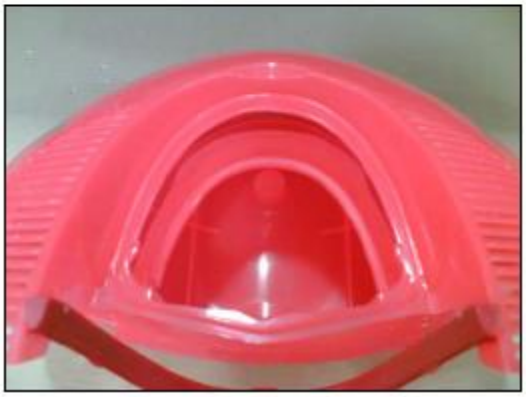
MAX

MAX



TANK 14

ASSEMBLAGE TANK 14



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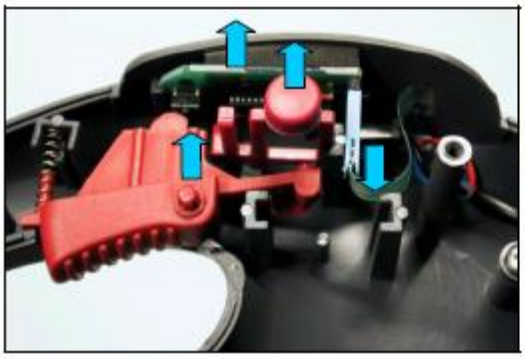

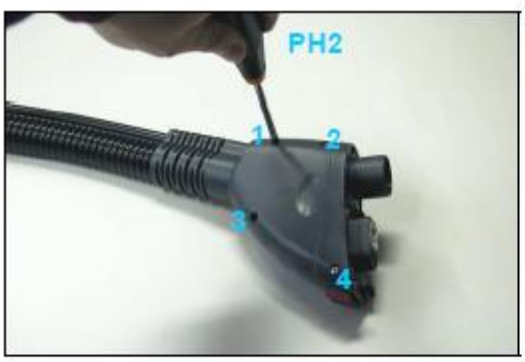
PH2
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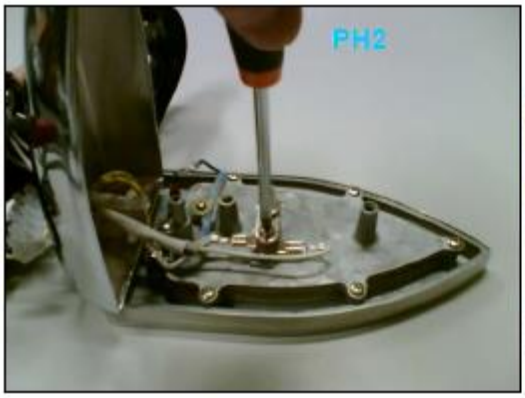
PH2

IRON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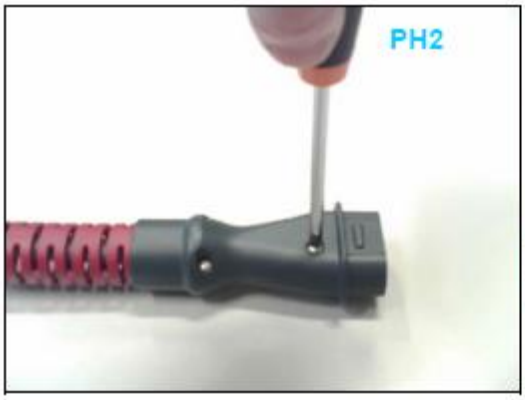
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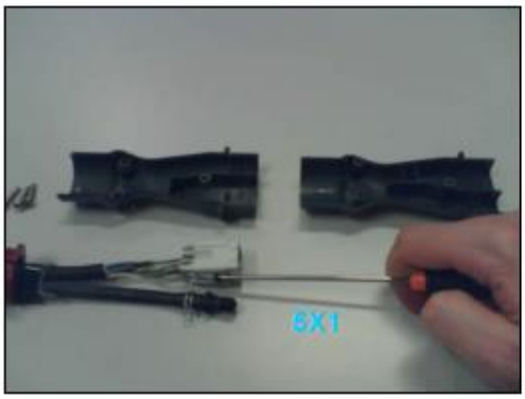
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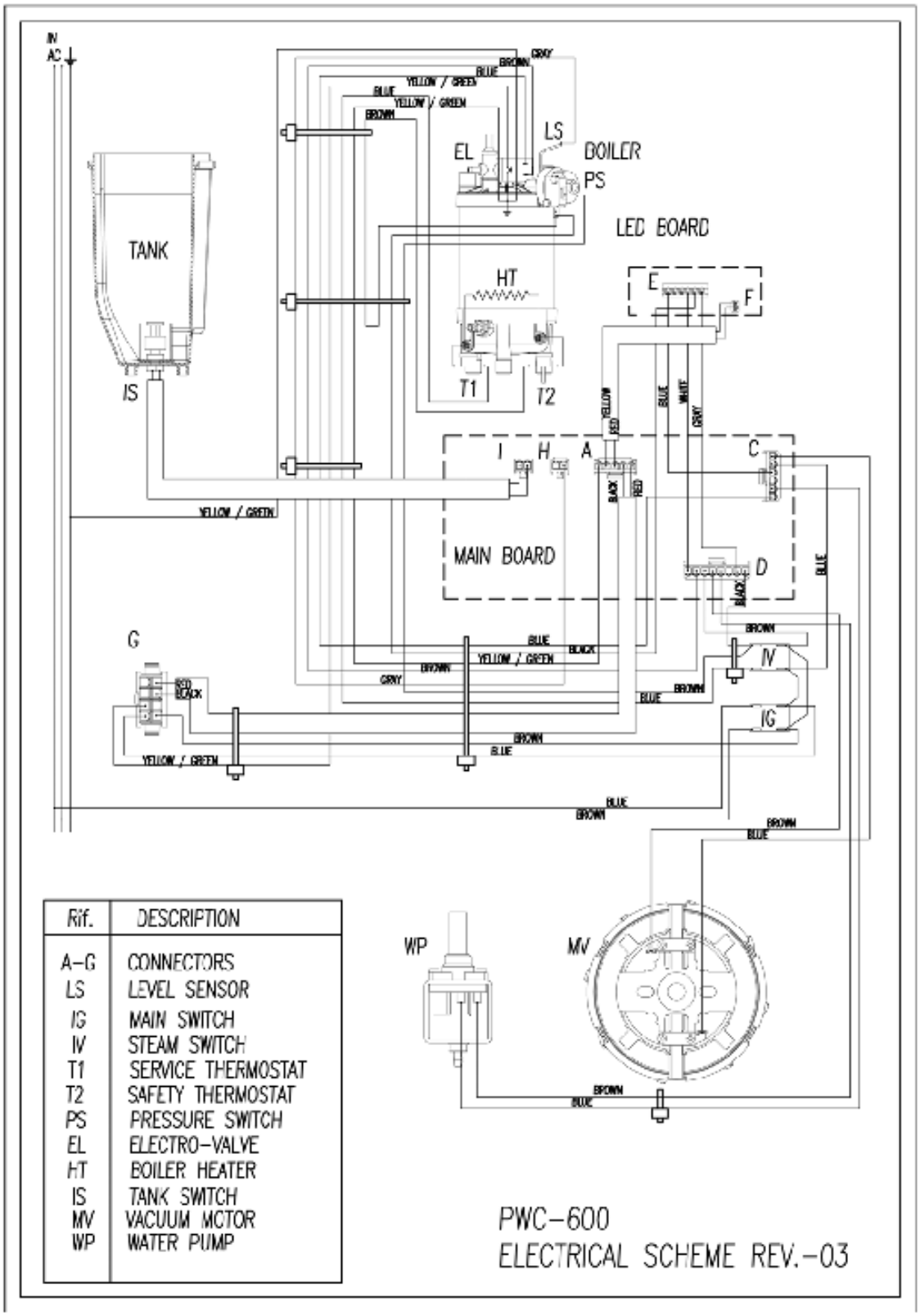
ELECTRIC SCHEME



Rif.	DESCRIPTION
A–G	CONNECTORS
LS	LEVEL SENSOR
IG	MAIN SWITCH
IV	STEAM SWITCH
T1	SERVICE THERMOSTAT
T2	SAFETY THERMOSTAT
PS	PRESSURE SWITCH
EL	ELECTRO-VALVE
HT	BOILER HEATER
IS	TANK SWITCH
MV	VACUUM MOTOR
WP	WATER PUMP

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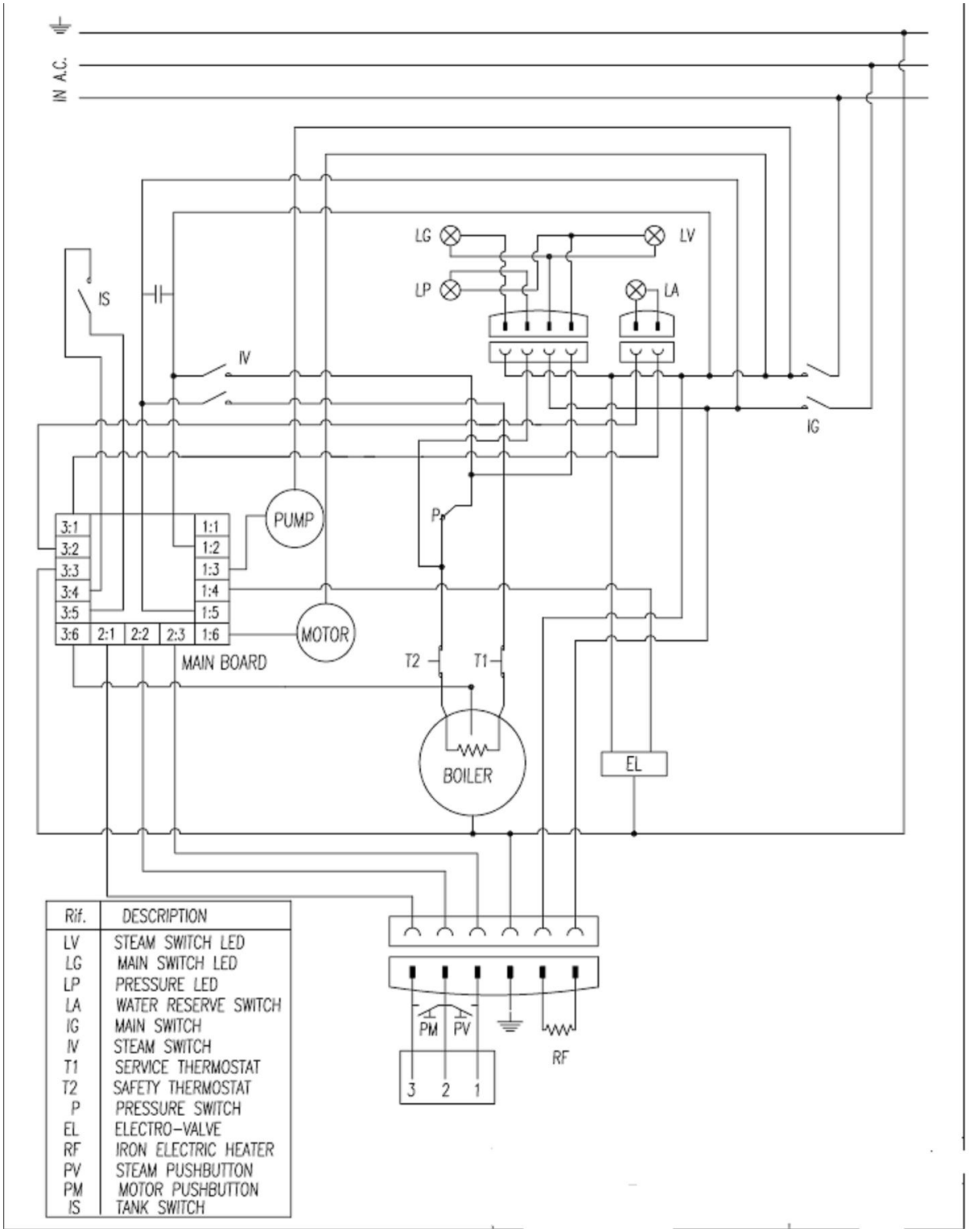
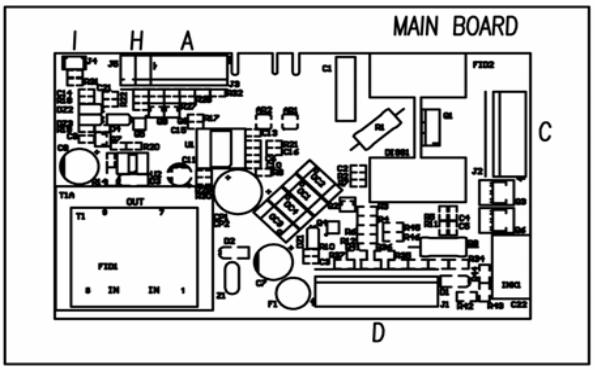
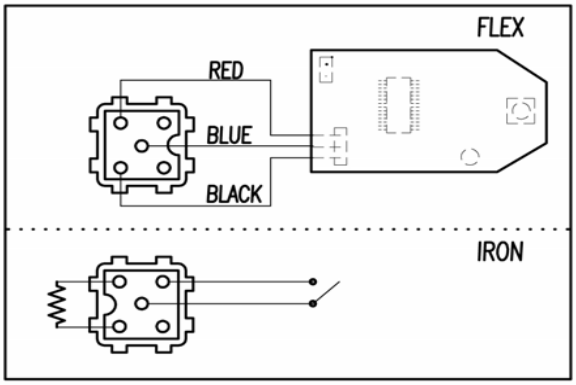
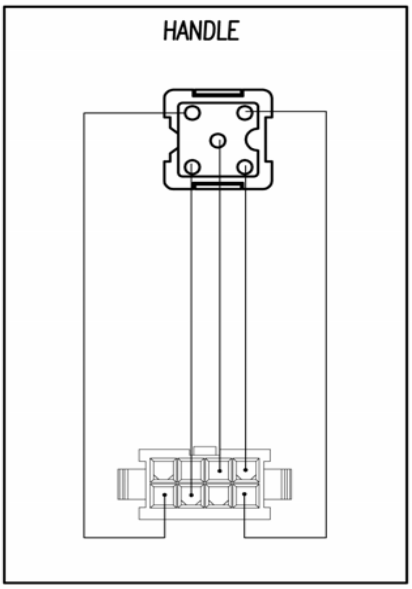


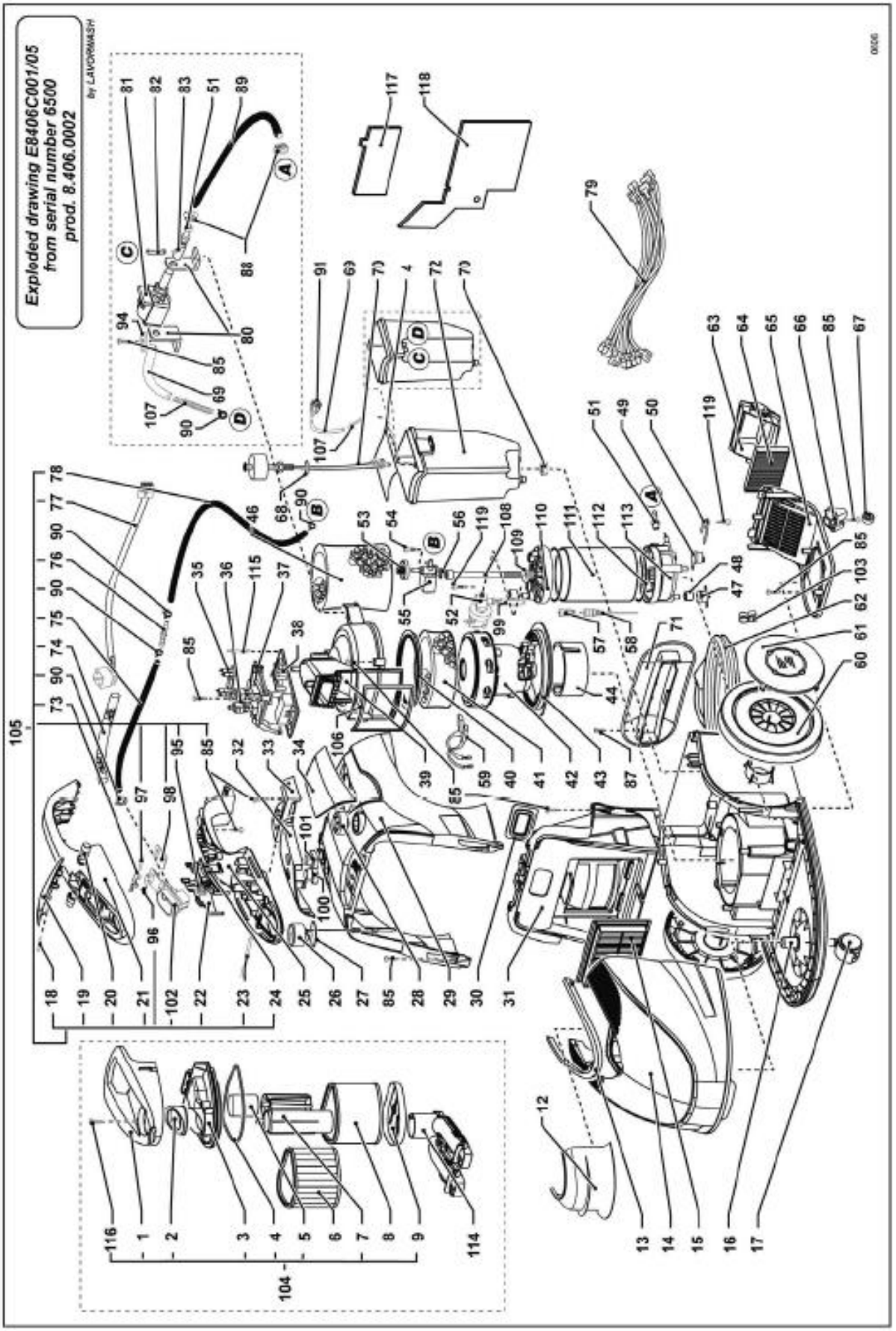
Rif.	DESCRIPTION
LV	STEAM SWITCH LED
LG	MAIN SWITCH LED
LP	PRESSURE LED
LA	WATER RESERVE SWITCH
IG	MAIN SWITCH
IV	STEAM SWITCH
T1	SERVICE THERMOSTAT
T2	SAFETY THERMOSTAT
P	PRESSURE SWITCH
EL	ELECTRO-VALVE
RF	IRON ELECTRIC HEATER
PV	STEAM PUSHBUTTON
PM	MOTOR PUSHBUTTON
IS	TANK SWITCH







PWC–600
CONNECTION SCHEME REV.–03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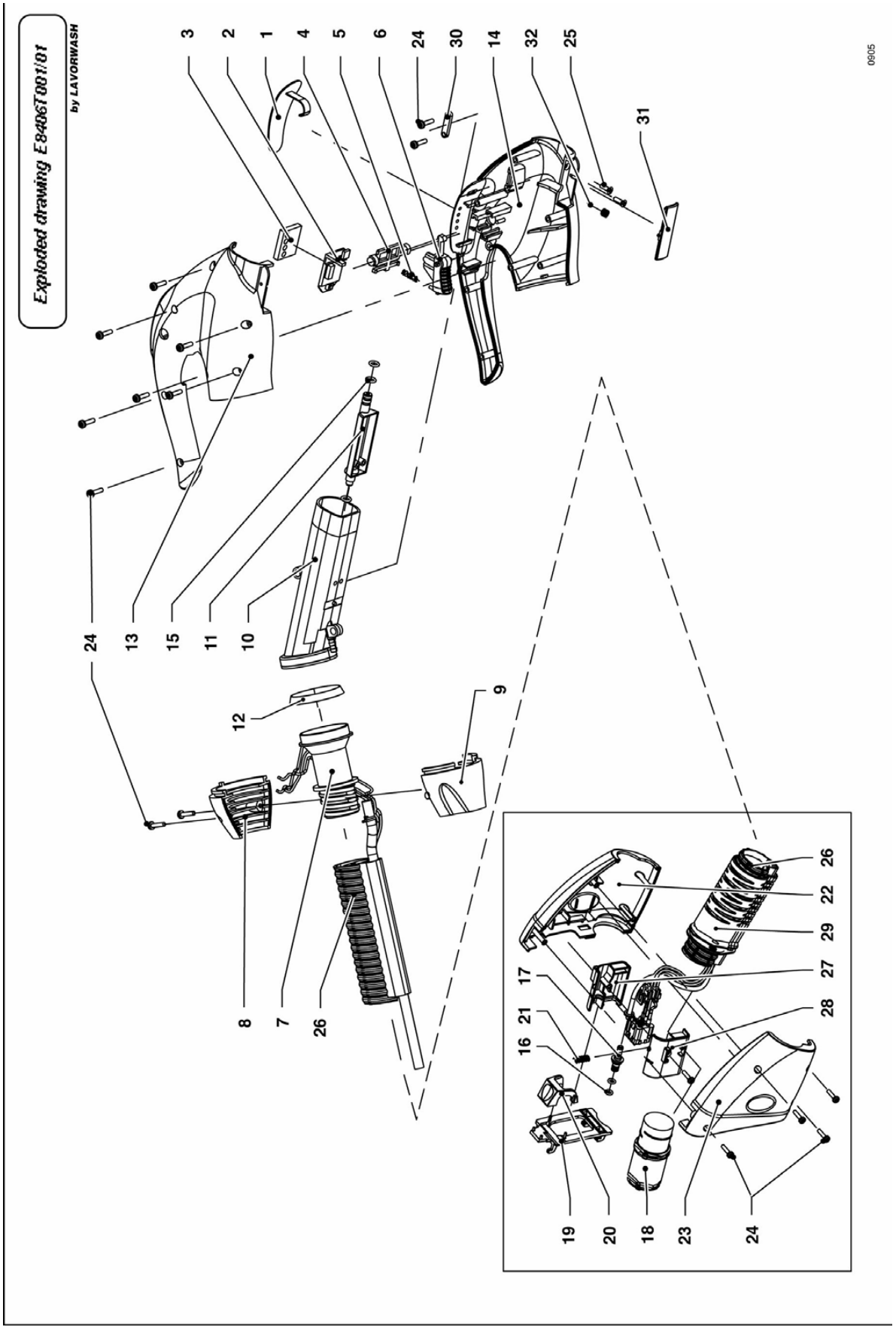
from serial number 6500
prod. 8.406.0002
by LAVORWASH
0006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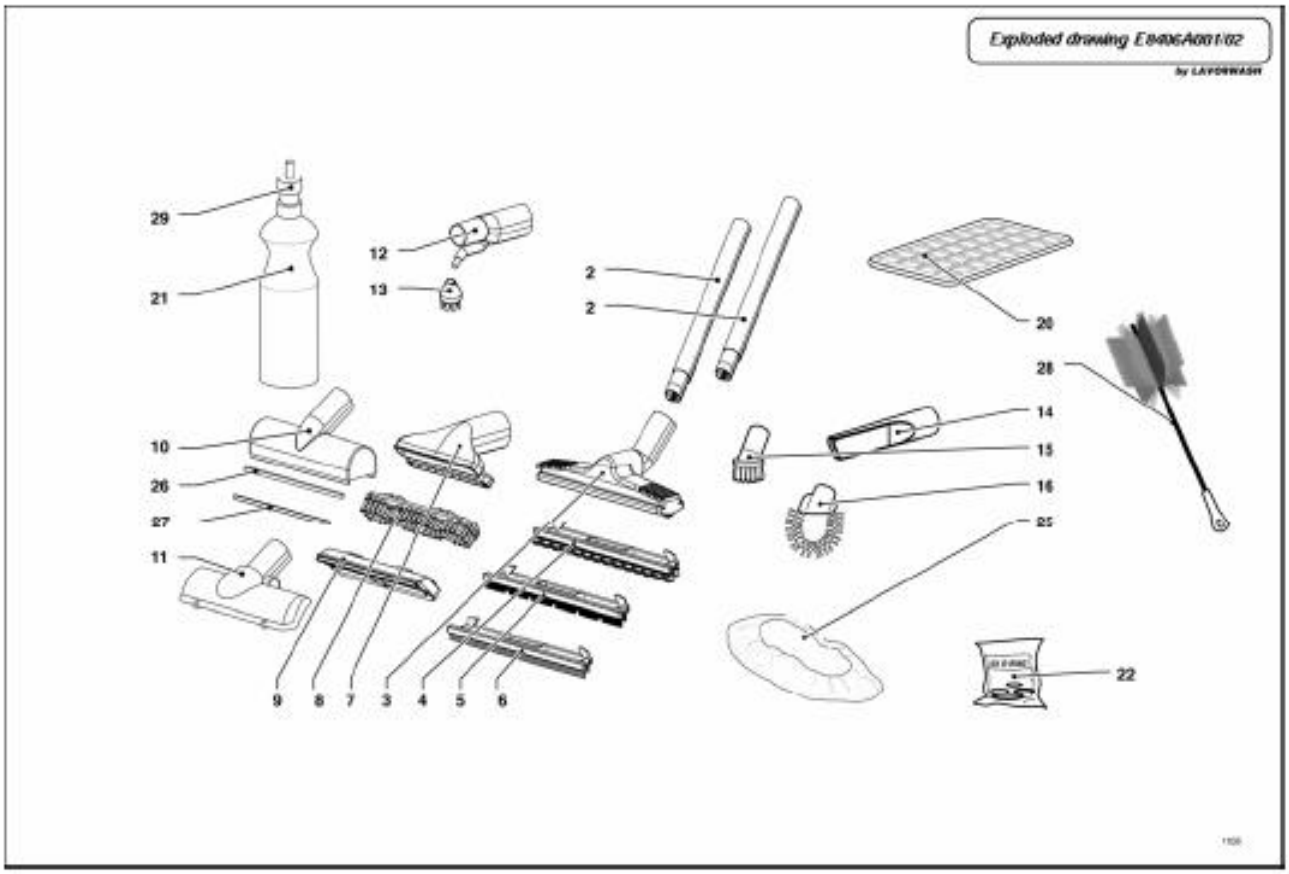
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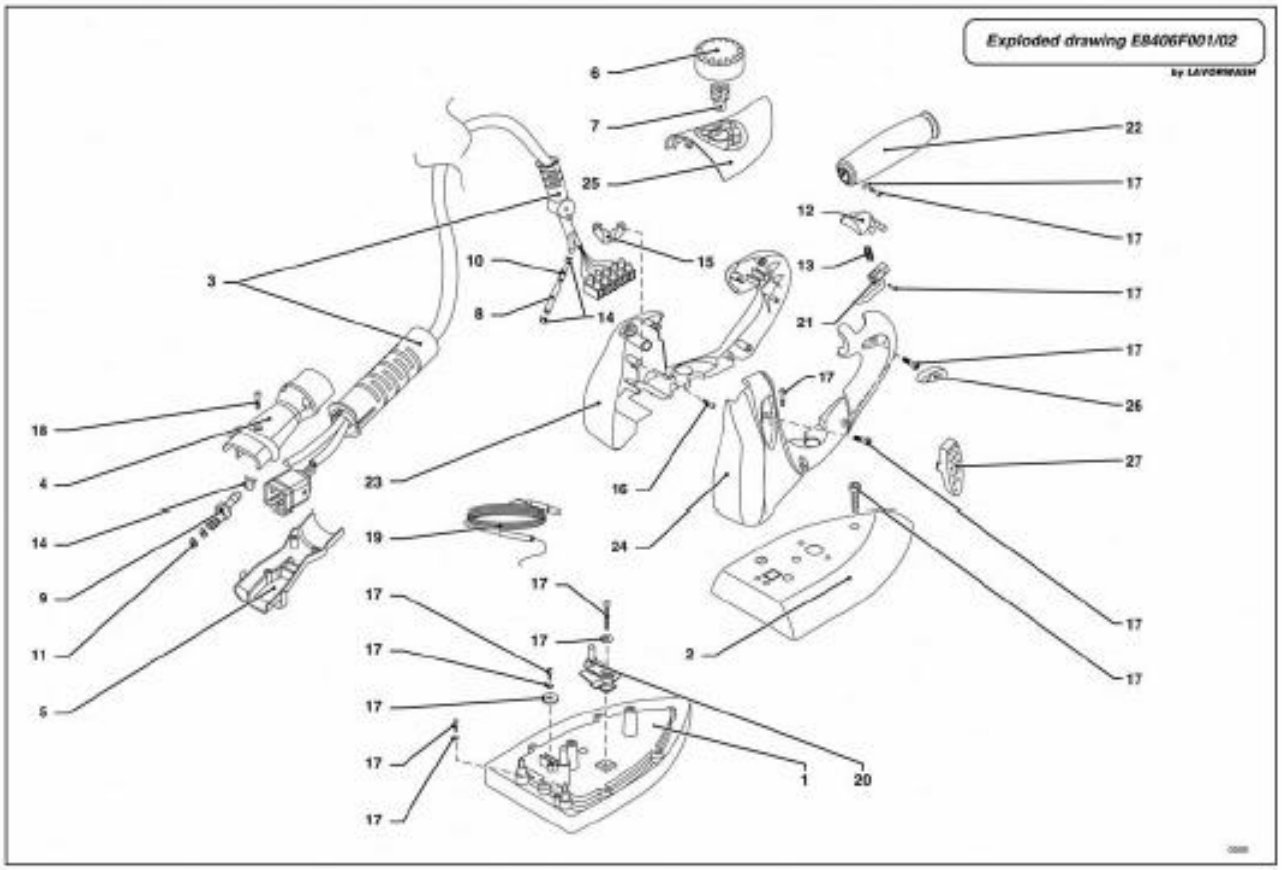
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LEGEND	
POSIT.	Position of spare part in drawing
Q.TY	Quantity of spare part in a machine
U.M.	Measurement Unit: N = number ; m = meter

8.406.0002 PWC-600 (ZPT06) - BODY/BOILER SP - (E8406C001/05) FROM SERIAL NUMBER 6500

CODE	DESCRIPTION	POSIT.	U.M.	Q.TY
4.408.0116	FILTER CAP	1	N	1
4.408.0149	GASKET	2	N	1
4.408.0117	UPPER FILTER BODY	3	N	1
4.408.0173	GASKET	4	N	2
5.409.0166	GAUGE ASSEMBLY	5	N	1
3.752.0123	TANK WASHABLE FILTER SV	6	N	1
4.408.0118	LOWER FILTER COVER	7	N	1
3.752.0121	TANK SPONGE FILTER SV	8	N	1
4.408.0120	WASHABLE FILTER COVER	9	N	1
4.408.0146	DIVIDING FRAME FOR RECOVERY TANK	12	N	1
4.408.0137	HANDLE TANK	13	N	1
5.409.0043	MELDED RECOVERY TANK	14	N	1
3.752.0120	OUTPUT AIR FILTER -SV- F6 PANT.193 WITH GASKET	15	N	1
4.413.0030	LOWER FRAME	16	N	1
3.754.0041	D.39 PIVOTTING TWINNING WHEELS(RAL 7024 GREY)	17	N	1
3.099.0176	PIN	18	N	1
4.408.0208	PROBER COVER PIN	19	N	1
4.408.0145	HANDLE SWITCH	20	N	2
4.408.0206	UPPER HANDLE SILVER SOFT	21	N	1
4.408.0125	CONNECTION RIGHT BOTTON ON HANDLE	22	N	1
4.006.0310	CYLINDRIC PROBE 5X110 ESP.01	23	N	1
4.408.0124	CONNECTION LEFT BUTTON ON HANDLE	24	N	1
4.408.0205	LOWER HANDLE SILVER SOFT	25	N	1
3.107.0017	MANOMETER D.40 0-6 BAR	26	N	1
3.200.0065	OR 33.05X1.78 GASKET	27	N	1
4.408.0197	STEAM REGULATOR KNOB	28	N	1
4.413.0042	UPPER CHASSIS	29	N	1
4.408.0138	SUCTION MOTOR GASKET	30	N	1
5.409.0167	FRONT MOTOR COVER	31	N	1
4.408.0133	SWITCH COVER	32	N	1
4.408.0128	BASE FOR HANDLE PANT.193 GLITTER -SV-	33	N	1
4.408.0134	TANK CAP	34	N	1
4.415.0015	3 NEON ELECTRONIC CARD (ITL' 06)	35	N	1
3.401.0055	SWITCH BIP PUSH L5 16A	36	N	2
4.408.0132	PLATE SWITCHES HOLDER -SV-	37	N	1
4.415.0014	ELECT. CONTROL CARD FOR MOTOR/BOILER (ITL' 06)	38	N	1
4.408.0136	SUCTION CONVEYOR MOTOR	39	N	1
4.408.0139	MOTOR UPPER GASKET	40	N	1
4.215.0007	CIRCULAR GASKET PPI 30	41	N	1
3.755.0044	BRUSH MOTOR 220V/50-60HZ	42	N	1
4.408.0140	LOWER MOTOR GASKET	43	N	1
4.408.0148	GASKET	44	N	1
4.408.0174	BOILER INSULATING GUARD	46	N	1
3.403.0120	SAFETY THERMOSTAT 235'C (ONE SHOT)	47	N	1
4.408.0264	SUPPORT CAP - RED SILICONE	48	N	5
3.403.0119	THERMOSTAT 200 C RA	49	N	1

4.407.0001	THERMOSTAT FIXING CLAMP	50	N	2
4.606.0004	HOSE HOLDER D.7 1/8 MALE	51	N	2
3.403.0121	AIR PRESSURE SWITCH 4,5 BAR 1/8G 6 BAR	52	N	1
4.408.0005	REGULATOR FIXING KNOB	53	N	1
3.002.0111	SCREW TC-TORX M4X10 ZNT	54	N	2
3.412.0013	ELECTROVALVE	55	N	1
3.200.0068	OR GASKET 8.74X1.78	56	N	1
3.100.0192	STRAIGHT JOIN 1/8 M. 04 D.4,1	57	N	1
5.409.0048	SENSON LEVEL ASS. + HOSES+ JOIN	58	N	1
4.212.0022	AMET. MOTOR CABLE L=300	59	N	2
4.408.0129	REAR WHEEL D.190 SV	60	N	2
4.408.0170	REAR STUD SILVER	61	N	2
4.412.0044	CABLE	62	N	1
4.408.0111	MOTOR FILTER GRATE COVER	63	N	1
4.408.0171	FILTERING ELEMENT	64	N	1
4.408.0110	MOTOR COOLING LOWER GRATE	65	N	1
4.408.0169	CARTER FOR REAR ROLL ANTIRIB.	66	N	1
4.408.0168	REAR ANTIRIB. ROLL	67	N	1
3.200.0010	O-RING 7,66X1,78	68	N	1
4.408.0259	PVC HOSE 6X9 L=320MM	69	N	2
3.403.0159	LEVEL SENSOR P200AC-035/0	70	N	1
4.408.0204	CABLE HOLDER SILVER C/TAMP TUTTOJEBBO	71	N	1
4.408.0130	BOILER TANK	72	N	1
4.408.0207	PROBE COVER PIN	73	N	1
4.408.0176	HOSE	74	N	1
4.418.0008	HOSE	75	N	1
4.408.0272	STRAIGHT JOIN M/M D.5 PA6+FV	76	N	1
4.412.0046	CABLE PIN SV	77	N	1
4.418.0001	LINED HOSE EPDM L400MM	78	N	1
4.412.0074	SIMPLY CABLES FOR CARD	79	N	1
3.752.0055	"L" SHAPED ANTIVIBRATOR FOR DETERGENT PUMP (801022)	80	N	2
3.551.0031	PUMP ET 505 230V 50HZ	81	N	1
3.752.0130	SILICONE HOSE 4X8 L=130	82	N	1
3.106.0010	DEACAL AIRCLEANER	83	N	1
3.002.0106	SCREW TC-TC 3.9X16 UNI 6954ZNT	85	N	30
3.002.0501	SCREW 2,9X16 ZNT UNI 6954	87	N	2
3.099.1120	CLIP WITH SCREW D.10-12mm	88	N	2
4.418.0009	HOSE	89	N	1
3.099.0116	BAND 10091	90	N	4
4.008.0006	DETERGENT FILTER	91	N	1
3.004.0027	FLAT WASHER D.4X16 SP.1.5	94	N	2
4.407.0013	SPRING	95	N	1
4.407.0014	SPRING	96	N	1
3.099.0953	PIN 3X25 INOX UNI 1707	97	N	1
4.408.0175	GASKET	98	N	1
4.418.0013	SILICONE HOSE	99	N	1
4.408.0196	PUSH BUTTON	100	N	1
4.408.0195	PUSH BUTTON	101	N	1
4.408.0126	QUICK CONNECTION PROBE -SV-	102	N	1
4.408.0194	CLIP CABLE HOLDER	103	N	1
5.409.0097	KIT FILTERS	104	N	1
5.409.0066	HANDLE ASSY	105	N	1
4.215.0080	MOUSSE PIECE+ADHESIVE 394x3x2	106	N	1
4.607.0128	VERTICAL SHAFT THERMIC 3 PUMP	107	N	2

3.002.0623	SCREW M10x150 inox UNI 5931	108	N	1
3.004.0024	SCREW GASKET	109	N	1
4.405.0010	BOILER SUP	110	N	1
4.407.0012	BOILER INOX L.113	111	N	1
4.408.0281	BOILER GASKET	112	N	2
4.405.0011	BOILER INF	113	N	1
5.409.0134	COMPLETE SUCTION CONNECTION (“ Y “ FORM)	114	N	1
4.408.0285	D.6 BLOCK FOR SWITCH ON-OFF SUPPORT	115	N	1
3.002.0112	TC-TORX SCREW 3,9X25 HI-LO ZNT	116	N	1
4.408.0288	INSULATED PROTECTION 6sp 100X185	117	N	1
4.408.0199	INSULATED PROTECTION 6sp 200X285	118	N	1
3.002.0743	SCREW TC-TC PH2 M4x8	119	N	3

GEND	
POSIT.	Position of spare part in drawing
Q.TY	Quantity of spare part in a machine
U.M.	Measurement Unit: N = number ; m = meter

8.406.0002 PWC-600 (ZPT06) - FLEX HOSE SP (5.211.0032) - (E8406T001/01)

CODE	DESCRIPTION	POSIT.	U.M.	Q.TY
3.403.0140	KEYBOARD 4 LET X FLEX ZPT	1	N	1
4.415.0016	FLEX HANDLE CARD - 4 LED -	2	N	1
4.215.0077	SPONGE	3	N	1
4.408.0236	SAFETY CATCH	4	N	1
4.407.0005	HP ACCESSORIES SWITCH SPRING	5	N	1
4.408.0237	LEVER FOR STEAM	6	N	1
4.408.0238	WASHER	7	N	1
4.408.0239	UPPER CLAMP	8	N	1
4.408.0240	LOWER CLAMP	9	N	1
4.408.0274	COUPLING FOR FLEX HOSE HANDLE	10	N	1
4.408.0242	STEAM NOZZLE	11	N	1
4.215.0078	GASKET	12	N	1
4.408.0215	RIGHT FLEX HANDLE	13	N	1
4.408.0216	LEFT FLEX HANDLE	14	N	1
3.200.0050	O-RING 5.28X1.78	15	N	3
3.200.0122	O-RING 4,48x1,78 VITON sh.70	16	N	2
4.408.0022	NOZZLE	17	N	1
4.408.0152	CONNECTION	18	N	1
4.408.0155	HOOK	19	N	1
4.408.0243	HOOK SWITCH	20	N	1
4.407.0087	SPRING	21	N	1
4.408.0150	RIGHT PLUG	22	N	1
4.408.0151	LEFT PLUG	23	N	1
3.002.0699	SCREW 3,5X16 TC/TC INOX UNI 6954	24	N	16
3.002.0700	SCREW 3,5X13 TSP/TC INOX UNI 6955	25	N	2
5.409.0096	KIT FLEX HOSE WITH STEAM HOSE	26	N	1
4.408.0153	RIGHT PIN FOR COUPLING	27	N	1
4.408.0154	LEFT PIN FOR COUPLING	28	N	1
4.408.0257	CONNECTION	29	N	1
4.408.0258	CABLE BLOCK FOR FLEX HOSE	30	N	1

4.408.0218	SWITCH FOR FLEX	31	N	1
4.407.0060	SPRING	32	N	1

8.406.0002 PWC-600 (ZPT 06) - ACCESSORIES SP - (E8406A001/02)				
CODE	DESCRIPTION	POSIT.	U.M.	Q.TY
3.753.0065	EXTENSION HOSE WITH KEY	2	N	2
3.754.0107	BODY FRAME HOLDER L=300	3	N	1
3.754.0110	CARPET FRAME L=300	4	N	1
3.754.0109	DUST FRAME L=300	5	N	1
3.754.0108	LIQUID FRAME L=300	6	N	1
3.754.0112	STEAM NOZZLE L=150 RAL.7016 C/TAMP. PUSH	7	N	1
3.754.0113	BRISTLE ACCESSORY FOR STEAM NOZZLE	8	N	1
3.754.0114	WINDOW ACCESSORY FOR STEAM NOZZLE	9	N	1
3.754.0115	WINDOW CLEANER RAL 7016 SV	10	N	1
3.754.0140	TURBO BRUSH BIG D.35 L=270mm	11	N	1
3.754.0111	STEAM ADAPTER	12	N	1
6.402.0043	ROUND SMALL BRUSH "PEK"	13	N	1
3.754.0119	FLAT LANCE D.35 RAL 7016 SV	14	N	1
3.754.0118	ROTAYR BRISTEL BRUSH	15	N	1
3.754.0121	ACCESSORY FOR HEATERS	16	N	1
4.408.0083	IRON RUBBER MAT "RB 2000"	20	N	1
3.099.0954	FILLING BOTTLE	21	N	1
5.412.0002	KIT OR FOR STEAM	22	N	1
3.099.1108	COVER FOR STEAM SUCTION BRUSH L=300	25	N	1
4.408.0244	WINDOW CLEANER RUBBER	26	N	1
4.408.0245	WINDOW CLEANER SPONGE	27	N	1
3.754.0175	RED BRUSH	28	N	1
3.099.1013	TERMINAL FOR BOTTLE	29	N	2

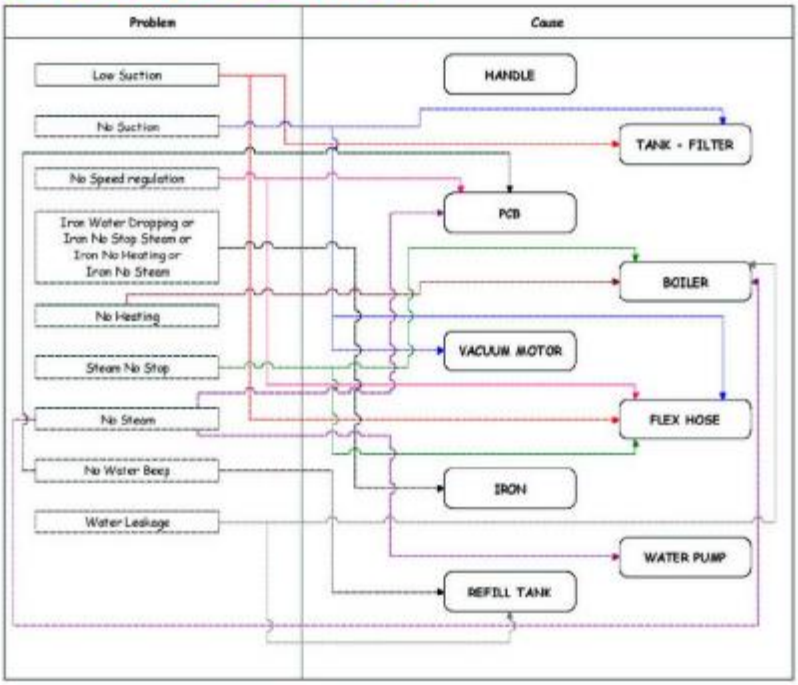
8.406.0002 PWC-600 (ZPT06) - S.J.E. IRON SP (6.401.0017) - (E8406F001/02)				
CODE	DESCRIPTION	POSITION	U.M.	Q.TY
3.099.1199	IRON PLATE	1	N	1
3.099.1200	IRON PLATE HEAD	2	N	1
5.409.0151	ASSEMBLY FOR HOSE	3	N	1
4.408.0178	GREY UPPER CHASSIS FOR IRON PLUG	4	N	1
4.408.0179	GREY LOWER CHASSIS FOR IRON PLUG	5	N	1
3.099.1201	HANDLE FOR TEMPERATURE REGULATION	6	N	1
3.099.1202	LOWER HANDLE FOR TEMPERATURE REGULATION	7	N	1
3.099.1094	SILICONE COVER HOSE	8	N	1
4.408.0022	LITTLE STEAM PLUG	9	N	1
3.099.1203	RUBBER HOLDER	10	N	1
3.200.0122	OR GASKET : 4,48x1,78 GREEN VITON sh.70	11	N	2
4.408.0246	RED STEAM SWITCH FOR IRON	12	N	1
4.407.0088	SPRING FOR IRON SWITCH	13	N	1
3.099.0560	HOSE CLAMP YDNAC 10096	14	N	3
3.099.1204	PLASTIC HOSE CLAMP	15	N	1
3.002.0135	SCREW TC-TC 2,9x13 UNI 6954 ZNT	16	N	1
5.412.0007	SCREW AND WASHER KIT	17	N	1
3.002.0699	SCREW TC-TC 3,5x16 UNI 6954 INOX	18	N	3
4.412.0068	INSIDE CABLE WITH LIGHT FOR IRON '03	19	N	1
3.403.0141	THERMOSTAT FOR IRON	20	N	1
4.412.0070	INNER CABLE WITH MICRO-SWITCH FOR IRON '03	21	N	1
3.099.1055	CORK HANDLE	22	N	1
4.408.0248	LEFT COVER FOR IRON	23	N	1
4.408.0249	RIGHT COVER FOR IRON	24	N	1

4.408.0250	IRON CENTRAL BODY	25	N	1
4.408.0251	FRONT CAP TO COVER SCREWS	26	N	1
4.408.0252	REAR CAP TO COVER SCREWS	27	N	1

Vax Service Parts Information

VAX P/N	DESCRIPTION
1-9-134029-00	HOSE ASSY - VCST-01
1-9-134030-00	UPHOLSTERY TOOL - VCST-01
1-9-134031-00	CREVICE TOOL - VCST-01
1-9-134032-00	RADIATOR BRUSH - VCST-01
1-9-134033-00	DUSTING BRUSH - VCST-01
1-9-134034-00	STEAM NOZZLE EXTENSION - VCST-01
1-9-134035-00	EXTENSION AND SPRAY - VCST-01
1-9-134036-00	SMALL NOZZLE BRUSH - VCST-01
1-7-134037-00	DRY FILTER - VCST-01
1-7-134038-00	WET FILTER - VCST-01
1-7-134039-00	AIR IN-TAKE FILTER - VCST-01
1-7-134040-00	EXHAUST FILTER/FOAM - VCST-01
1-2-134041-00	DIRTY WATER TANK AND HANDLE - VCST-01
1-2-134042-00	DIRTY WATER TANK LID AND FLOAT - VCST-01
1-3-134043-00	FILTER SUPPORT BOTTOM - VCST-01
1-2-134044-00	CLEAN WATER TANK LID - VCST-01
1-3-134045-00	EXHAUST FOAM FILTER COVER - VCST-01
1-2-134046-00	CLEAN WATER TANK COVER - VCST-01
1-2-134047-00	FRONT CASTER WHEEL - VCST-01
1-3-134048-00	BOTTLE - VCST-01
1-6-134049-00	BAG OF SEALS (NOT THE IRON SEAL) - VCST-01

TROUBLE SHOOTING



FAILURE GUIDELINE

No.	PROBLEM	DIAGNOSTICS	REASON	SOLUTION
1	No suction	If Motor is ok, check (measure) suction flow	Clogged extension hoses, accessory, flex tube, filter assembly	Wash and clean the parts
2	Low suction	Check (measure) suction flow	Filters clogged with dirt	Clean filter assembly or replace relevant filters
		After above service operations, customer must be informed about necessity of regular maintenance (Cleaning of accessories and filter replacement)		
3	No suction	Motor does not work	Quick connector not fitted properly	Check quick connector and the electric plug
4	No suction	Motor does not work	Main PCB or handle electronics defect	Replace main PCB or handle electronics
5	No suction	Motor does not work	Main PCB or internal wiring defect	Replace main PCB, check internal wiring
6	No suction	Motor does not work	Motor defect	Replace motor, check main PCB and internal wiring
7	Uncontrolled suction, motor cannot be shut off	Uncontrolled suction	Main PCB defect	Replace main PCB, check internal wiring
8	No possibility to change suction power setting	Check handle electronics	Main PCB or handle electronics defect or humidity on handle electronics	Replace main PCB or handle electronics
9	No steam	Main switch and boiler switch are on, beep signal is on, no water pilot light flashes	No water in boiler tank	Fill with water
10	No steam	Main switch and boiler switch are on, no water pilot light is off	Steam adjustment knob is in MIN position	Turn knob to appropriate steam level
11	No or low steam	Main switch and boiler switch are on, no water pilot light is off, manometer shows pressure	Steam channels in the extension hoses and accessories are blocked or not connected properly, O-rings are defect	Clean or replace extension hoses and accessories, replace O-rings

No.	PROBLEM	DIAGNOSTICS	REASON	SOLUTION
12	No steam	Main switch and boiler switch are on, manometer shows pressure	Clogged electrovalve at the boiler	Clean or replace electrovalve
13	No steam	Main switch and boiler switch are on, manometer shows no pressure	Internal wiring defect	Check wiring for interruptions, in particular connections to the heater
14	No steam	Main switch and boiler switch are on, manometer shows no pressure	Pressure switch defect	Replace pressure switch
15	No steam	Main switch and boiler switch are on, manometer shows no pressure	Heater defect	Replace boiler
16	Uncontrolled steam flow, steam cannot be shut off	Uncontrolled steam flow	Main PCB or handle electronics defect or covered with moisture, electrovalve blocked in open position	Replace main PCB or handle electronics, check for reasons of moisture, clean or replace electrovalve
17	Manometer shows pressure but heater switch is off	Check manometer	Manometer defect	Replace manometer
18	Rapid drop of steam pressure	Observe steam flow when pump is pumping water in the boiler	Foam formation in boiler, boiler is contaminated with CleanSy or Aroma or other substances	Clean or replace boiler
19	Pump cyles do not stop	Pump does not stop to fill the boiler, check water leakage on bottom of the device	WLI has defect or contact with boiler wall, use of distilled water or earth connection defect	Replace WLI, check earth connections
20	No steam	Main switch and boiler switch are on, manometer shows no pressure, pump is not working	Contact between WLI and boiler wall	Replace WLI
21	No steam	Main switch and boiler switch are on, manometer shows no pressure, pump is not working	Pump defect	Replace pump
22	No steam	Main switch and boiler switch are on, manometer shows no pressure, pump is not working	Main PCB defect	Replace PCB, check internal wiring
23	No steam	Main switch and boiler switch are on, manometer shows no pressure, pump is not working	Internal wiring defect	Check wiring for interruptions, in particular connections to the heater
24	No steam	Main switch and boiler switch are on, manometer shows no pressure, pump is not working, no beep signal	Level sensor in boiler tank blocked or defect	Clean or replace boiler tank
25	Water leakage from the bottom of the device	Main switch and heater switch are on, pump works correctly	Boiler is filled with dirt or safety valve has failed	Clean boiler and replace safety valve
26	Steam leaking from the body	Body and switch cover inside covered with moisture	Internal steam hoses defect or gasket defects (manometer, electrovalve, WLI, pressure switch, boiler)	Replace defect parts
27	Water leakage from the steam iron	Temperatur of sole plate is to low, water is dripping from sole plate	Temperature knob is in low position	Turn temperature knob above steam symbol
28	Water leakage from the steam iron	Temperatur of sole plate is to low, water is dripping from sole plate	Iron heater or internal wiring defect	Replace whole steam iron or replace heater or internal wiring
28	Uncontrolled steam flow from the iron	Steam flow cannot be shut off	Main PCB defect or electrovalve blocked in open position	Replace main PCB, replace or clean electrovalve
29	No function of the device	Check power supply, power cord, main switch	No power supply, power cord defect, main switch defect, internal wiring defect, main PCB defect	Replace defect parts
30	House fuse blows when device is switched on	Measure resistance between heater and earth (must be infinite)	Heater isolation defect	Replace boiler